VENTILATION—PURE AIR.

Shortingham's Ventilator, for the admission of pure air through an

EXTERNAL WALL.

With single pulley, from 6s. each; with bending pulley, from 8s. 6d. These Ventilators are so arranged that the requisite quantity of air may be admitted for the due ventilation of an apartment without the slightest draught being felt by the occupants; and as they are placed in the external wall, their action is not impeded when the house is closed for the evening, at which time a constant supply of fresh air is most required.—HATWARD, BROTHERS, sole Manufacturers, 108, Blackfriars-road, and 117, Union-street, Borough; and of all respectable ironmongers, builders, &c.

MOORE'S PATENT MOVEABLE GLASS VENTILATOR,

For Windows, Partitions, Skylights, Greenhouses, &c. and for ventilating, made to any Size and Form, from 12in. and upwards.

The greatest amount of ventilation is obtained without draught, and it can be adjusted to any quantity.

For removing steam from windows, and smoke from rooms, it is most effectual.

List of Prices may be obtained by application.

N.B. A Working Model forwarded by post, upon receipt of 12s. which will be returned upon receipt of Model.

Ventilators on an improved principle for Chimneys. Air-Flues, &c.

MANUFACTORY, 28 and 29, Gerrard-street, Soho, London.

Church and House Clock Makers to the Honourable Board of Ordnance, the Russian Government, and the Emperor of China. Sundry of Church Clocks made by the above Firm, 50s.: ditto House Clocks, 15 Gns.

NOIRSAINS VENTILATING GRATES and STOVES.—

A long sought for desideratum at last obtained. Great Economy in Fuel.—entire Prevention of Smoking by Chimneys.—and Perfect Regulation of the Temperature of Rooms, effected by the new Ventilating Grates, which may be applied to any fire-place.

The Proprietors collect the attention of the public and scientific men to the patent apparatus.—the utility and superior advantages of which will be satisfactorily demonstrated at the Depôt, 121, HIGH-STREET, to any visitor. The highest testimonials given. Prices, from Two Guineas upwards. S. KIDD, Agent.

WARMING by HOT WATER.—J. WEEKS

and CO. Manufacturers, Chelsea.—A great variety of plain and ornamental apparatus, consisting of Pedestals, and Blocks of Pipes for warming Churches, Manufactories, Warehouses, Offices, Drying-rooms, Conservatories, &c. &c.—To be seen in extensive operation on our Premises at Chelsea, and also at Mr. STOCKEN'S extensive Nurseries at Stapleford, Hallitu-street, Hyde-park-corner.

WARMING and VENTILATION.—

D. and E. BAILEY, 472, Holborn, having had many years' experience in Warming Buildings by Hot Water, continue to erect HOT-WATER APPARATUS on the most improved principles for Manufactories, Conservatories, and other detached Buildings; and they also erect Conservatories, Hothouses, &c., in wood or metal. D. and E. BAILEY invite the public to an inspection of their stock of Stoves, Fenders, Fire-irons, &c., as well as a most complete and economical Portable Cooking Apparatus, or "Cottager's Stove," equally suitable for Cottages, Shooting-lodges, Yachts, or for persons undergoing

Dr. Arnott's Ventilating Valve.

CALORIFERE.—Gold Medal at the Paris

Exhibition, 1844.—Patent Apparatus for Heating and Ventilating, by Hot Air only, every description of buildings, and for drying every sort of materials, linens, and cloths. The following are the results:—

No. 1, burning 2 lb. of coal per hour, produces } 10,000 cubic feet of Hot Air, 60 Fahr.
No. 2, burning 14 lb. of coal per hour, produces } 70,000 " " "
No. 3, burning 20 lb. of coal per hour, produces } 100,000 " " "

The atmosphere without being at 20 Fahr. J. BOILEVE, Civil Engineer, guarantees all the above-named results; he shows every day at his Counting-house the smallest number, as well as a list of persons who have given him the most flattering testimonials of its efficiency and economy; among them, MM. Viscomte de Sisors, Architects, in Paris; Koechlin, Brothers, Dollfus-mieg; Gros-odier Roman, Schlumberger, Haussman, Spanners, Manufacturers, &c.—Apply to J. BOILEVE, 16, Fenchurch-street, London.—To be seen on Monday, Wednesday, and Friday.

GREAT EXHIBITION.—DRAWING-

ROOM GRATES and FENDERS to which the GREAT or COUNCIL MEDAL was AWARDED.

J. L. BENHAM and SONS beg to intimate that those beautiful Stoves and Fenders which were so generally admired for their novelty, design, and elaborate workmanship, are now on view in their EXTENSIVE SHOW-ROOMS, and respectfully invite ARCHITECTS and Others engaged in Building to inspect them.

WARM AIR STOVES for CHURCHES, HALLS, &c. &c., simple in construction, ornamental in design, and thoroughly efficient, of various sizes and prices.

J. L. BENHAM and SONS' MANUFACTORY and SHOW-ROOMS, 10, WILLIAM-STREET, CAVENDISH-SQUARE.

PRIZE MEDAL for COOKING APPARATUS

awarded to J. L. BENHAM and SONS.

The IMPROVED FAMILY RANGE will roast, boil, bake, fry, &c. &c., for a large family, with an average consumption of only 30lbs. of coal per day. It has an open fire, is perfectly simple, and of moderate cost.

Specimens of these excellent and economical Ranges, and also of the most improved Broiling Stoves, Hot Closets, and Tables, Ovens, &c. &c., so highly exhibited in HYDE PARK, may be inspected at the MANUFACTORY and SHOW-ROOMS. A Gas Cooking Apparatus is in daily operation.

J. L. BENHAM and SONS' Stoves, Ranges, and Bath Manufactured, sheet-lead cast, they respectfully refer to 19, WIGMORE-STREET, CAVENDISH-SQUARE, LONDON.

GREAT EXHIBITION PRIZES.—First Prize,

KITCHEN RANGE, with Medal of Special Approbation, the Original Leaders, PERRY and TYLER, beg to inform the nobility, gentry, and public, that he has had the honour of being chosen as the only exhibitor of Kitchen Ranges entitled to a Medal of Special Approbation. The Range, so chosen during the Great Exhibition, may be seen daily at 43, Jermyn-street, St. James's, London; and at his Manufactory, Portland-terrace, Leamington Priors.

STEPHENSON and PEILL, 61, Gracechurch-

street, London and 17, New Park-street, Southwark, Manufacturers of COPPER CYLINDRICAL and improved CONICAL IRON BOILERS, and of Conservatory and Hothouse Builders, either in wood or iron, respectfully call the attention of the nobility, gentry, and clergymen to their simple but effectual method of warming horticultural and other buildings by Hot Water. From the extensive works they have executed inferences of the highest respectability can be given, and full particulars furnished on application.

FULKES IRONMONGERY and STOVE WAREHOUSE,

61 and 62, Parkstreet, Grosvenor-square.

Kitchen stoves, double ovens, 2ft. 2in. and 2ft. 6in. per inch.
Register ditto ditto 2ft. 2in. and 2ft. 6d. per inch.
Cast-iron sashes, 2s. 6d. per cwt. Cast-ditto, 12s. 6d. per cwt.
Cast-sheep sashes, 14 in. 14s.; 16 in. 16s. 6d.; 18 in. 18s. per cwt.
Bar iron, 6s. 6d. per cwt.
All descriptions of stoves, ranges, locks, rain-water pipes, sash-weights, sash-line, at equally low prices.

TO BUILDERS, CARPENTERS, CABINET-MAKERS, &c.

JOHN DALE, 18 and 19, Chiswell-street,

Finsbury-square, respectfully invites the above Trades to the inspection of his immense stock of Ironmongery, which cannot be surpassed in variety, quality, and cheapness by any house in London.

Elliptic Springs, double leaves,
2nd. per inch, and upwards.
Elliptic Springs, single leaves,
1st. per inch, and upwards.
Register Stoves, 4½d. 6d. 6½d. 7½d. per inch.
Self-acting Ranges, with circular ovens and back boilers, best wrought bars and bright fittings:—
2 ft., 3l. 10s.; 3 ft. 6 in., 5l. 5s.; 4 ft., 7l. 15s.
3-feet Cottage Ranges, with ovens and back boilers, 32s. each.
2-feet self-acting ditto, ditto, 25s. each.
Air Bricks, 2s. 3d. per doz.
3-inch Cut Lath Nails, 12s. 6d. per cwt.

Best Patent Cut Cheap.

	7l	9	5l	3	2 inch and larger.
14s. 6d.	12s.	10s.	8s. 6d.	6s.	per cwt.

Best Sheet Floor Spikes, 2 to 6d., per cwt.
Best Yorks Glue, 30s. Prime Scotch, 22s. per cwt.
Best Patent Seam Lead.

1	2	3	4	5	6
5d.	6d.	6d.	7d.	8d.	10d. 6d. per pound.

List of Prices had on application at the Warehouse, or by letter prepaid.

CLARK and HUNT'S IRONMONGERY,

STOVE and METAL WAREHOUSE, 159, Shoreditch.

Improved Self-acting Cottage Ranges,	20	23	26	28 inch.
with Large Oven and Boiler	12s.	15s.	18s.	24s.
Best Self-acting Ranges, with Oven and	34	36	38	42 inch.
Patch Boiler, Bright Wrought Bars	24s.	28s.	32s.	42s.

Strong Elliptic Stoves, with Extra Back and Solid Bars, per inch, 8d.
Register Stoves, with Solid Bars, per inch, 5d. Best Solar ditto, with Fire Brick Back, per inch, 10d.
Bright Stoves, with Two Fires, 30s. to 100s. each.

Cast Rain-water Pipe {	2	3	4	5 inch.
	8d.	10d.	1s.	per yard.

Cast Gutters—4 inch, 8d. per yard.

O. G. Gutters {	4	6	inch.
	11d.	1s.	per yard.

Best Cut Cheap {	11	11	9	7	5 inch.
and Rose	14s. 6d.	14s.	12s. 6d.	10s. 6d.	8s. per cwt.

Sheet Flooring Brads, 11s. 6d. per cwt.
1-inch Cut Lath, 12s. 6d. Cast Lath, 8s. 6d.

Patent Line {	2	3	4	5	6 per knot.
	1s. 6d.	2d.	2½d.	3d.	4d. per knot.

6-inch 3-Bolt Rd. Wood Mortises, with best Furniture and Patent Spindles, 3s. each. Light Elliptic and Register Metal, 12l. per cwt.
Dr Arnott's Ventilators, 4s. 6d. each.
An extensive stock of bar, rod, hoop, and sheet iron.
Clark and Hunt's Improved Glass Paper.

NAILS and IRONMONGERY,

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Builders, Contractors, and Others, supplied with Nails, Iron, and Ironmongery of every description, at the

LOWEST BIRMINGHAM PRICES.

a complete LIST of which
will be forwarded upon application.
FREDERICK ELVILL,
Nail Manufacturer and General Factor,
Edmund-street, BIRMINGHAM;
or, at 17, Gresham-street West, LONDON.

PRIZE MEDAL of the Great Exhibition

to HART and SONS, MANUFACTURING IRONMONGERS, for the excellence of their

DOOR FURNITURE and FINGER PLATES.

HART and SONS invite the attention of Architects, Builders, and others, to the superior quality of their DOOR FURNITURE in PLAIN and DECORATED CHINA, ORMOLU, AMBER, and OPAL GLASS, EBONY, MAPLE, BUFFALO HORN, &c. &c., and to the advantages resulting from the use of it, being mounted with PITT'S PATENT SELF-ADJUSTING SPINDLES, applicable to doors of any thickness without alteration.

HART and SONS also invite attention to their stock of LOCKS, Mortice, Rim, Cabinet, &c., BRASS FOUNDRY and BELL-HANGING materials and GENERAL IRONMONGERY and especially to their DR. ARNOTT'S VENTILATING CHIMNEY VALVES, to the manufacture of which they give particular attention. They have in Stock a great variety of sizes and styles of finish, the prices of which may be obtained on application at their MANUFACTORY, 83, 84, and 85, WYCH-STREET, STRAND.

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CASTINGS, RAIN-WATER PIPE, GUTTERING, SASH-WEIGHTS, &c.

Iron Rain-water Pipe	3	3½	3	3½ inch.
	9d.	10d.	1s. 1d.	1s. 3d. per yard.
Half Round Gutter	3	3½	4	inch
	7d.	7½d.	8d.	per yard.

Sash-weights 3s. per cwt. Air Bricks 3s. 6d. per dozen.
Underground Pipe, 3s. 3d. per cwt.

A large stock of CASTINGS and WROUGHT-IRON WORK for BUILDING and other purposes, at equally low prices, consisting of—

GIRDERS AND COLUMNS.
RAILING AND STAIRCASE BARS.
BALCONIES AND BALCONETTS.
CANTILEVERS AND BRACKETS.
FURNACE BARS AND GRATINGS.
LAMP POSTS.
PUMPS.
COLE-HOLE PLATES AND SCRAPERS.
STENCH-TRAPS.
SKYLIGHTS.
SASHES, WROUGHT AND CAST.
STOVES, ALL DESCRIPTIONS.
COPINGS FOR WALLS.
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HAT-RACKS.
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FIREPROOF DOORS.
TANKS, &c. &c. &c.

Every article in the trade kept in stock. An extensive assortment of patterns for both PLAIN and ORNAMENTAL CAST LINES, and every description of WROUGHT-IRON WORK.

ESTIMATES on application or by post.
OTTAWAY and HALLEN,
IRON WORKS, 3, WINSLEY-STREET, OXFORD-STREET; AND CORNWALL-ROAD, LAMBETH.

RAIN-WATER PIPES, O G and Half-round

Gutters, Sash-Weights, Railing Bars, Air Bricks, &c.

J. JONES has the largest stock in London of the above and other castings, of the very best quality. Also, cast-iron pipes for gas, water, or drainage; bends, heels, &c.; flower and hot-water pipes, with all the usual connections; lamp-posts and returns, stable fittings, pig-troughs, &c. &c.—J. JONES, IRON BRIDGE WHARF, No. 6, BANKSIDE, LONDON, near the Southwark Iron Bridge.

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NEWCASTLE-ON-TYNE.

Manufacturers of Bar Iron, Railway Bars, Forge and Engine Work, Cast-Iron Goods, and

STEWART'S PATENT CAST-IRON GAS and WATER PIPES.

Offices, No. 7, Bow-lane, London.

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F. P. M'CARTHY, 7, Beech-street, Barbican,

Iron, Steel, and Tinplate Merchant, wholesale dealer in Zinc, Metal, and fine fittings, begs to inform parties connected with the above trades that he has a large stock of these materials on hand, which he is selling at the very lowest rate, and will be glad to furnish a complete list of prices upon receiving a letter to that effect.

Sheet zinc, 21s. per cwt.; sheet iron, best quality, 8s. 6d. per cwt.; galvanised sheet iron, from 12s. 6d. per cwt.; bar iron, 7s. 6d. per cwt.; strip iron, 9½d. per lb.; wrought iron gas tube, from 1½d. per foot; cast-iron pipe, 3½s. per cwt., 3in. pipe, 11½d. per lb., brass tube, 10½d. per lb.; copper tube, 1s. 1½d. per lb.; spring steel, 18s. per cwt. Old metals bought or taken in exchange.

The trade supplied with all kinds of iron and brass gas fittings. Lacquered cased tubing for shop-rails, &c. from 4d. per foot.

COLLINGE'S PATENT HINGES.—Sole

Manufacturers, CHARLES COLLINGE and Co., 42 and 43, Bridgewater-street, Lambeth, where a great variety are always on view for church, park, railroad, coachhouse, and other gates to doors of large and small dimensions, a gate of a toy vesett moving with these hinges as easily as a wicket. Ornamental hinges, adapted for drawing-rooms, &c.; doors fitted with them can be removed and replaced in an instant. Rising and dip-door springs. Ringed and superior gate fastenings, at moderate prices. None genuine unless marked "Charles Collinge, Patent Lambeth." Plain and ornamental cast and wrought iron work for building and other purposes. Engines, machinery, patent ratchet screw, sugar-mills, &c.

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GLOVER, BROS.,

Solicit the attention of the Trade to their extensive Stock of PATTERNS for CASTINGS of EVERY DESCRIPTION, either ornamental or ornamental.

Patterns of Gardens, Cottages, Balconies, Railing, Ornamental Carriage and Park Gates, Lamps and Street Posts, Tombs, Pet Stands, Pinions, Leathers, and Pinion engines; Ranges and Register Stoves. An improved Boot Door adapted for internal work.

A large stock of Rain-water Pipes, Plain and O G Gutters, Lead pipes, Bosh Weights, Air-tight Brewer Grates, Stable Fittings, Hurdles, &c.

Plain and Ornamental Vases 20 per cent. cheaper than Terra cotta.

Estimates given for Iron Buildings, Wrought-iron Roofs, Greenhouses, Balconies, Wrought-iron Girders, Fireproof Doors, sashes and Strong Rooms, Tanks and Boilers, and every description of ironwork to specification, and the work executed with every attention to quality and despatch.

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IRON FOUNDRY, 80, Goswell-street (late

Brick-lane, St. Luke's).—J. J. JONES, having made large additions to his STOCK of PATTERNS, begs to inform the Trade that he can now supply them with Plain and Ornamental Pillars, Columns, Girders, Railings, Gates, Iron Coping, Balconies, Window Guards, Verandahs, Ornamental Staircase Panels, Iron Stanchions, Tomb Enclosures, Trellis Panelling, Lamp and other Brackets, Cantilevers, Newel Bars, Water Closet Work, Area Gratings, Pipes and other Wheels, Wheel Plates, &c.

BAKERS' OVEN WORK, Forge Backs and Troughs, Iron Water Pipes and Gutters, Sash Weights, Furnace Bars, Stoves, Ranges, &c. always in stock.

TO IRONMASTERS, RAILWAY

DIRECTORS, ENGINEERS, and FOUNDERS.—The Subscriber having been appointed SOLE AGENT in London for the SALE of Mr. MORRIS STIRLING'S PATENT IRON, begs to intimate that he is prepared to supply railway companies, engineers, and founders, with the PATENT MALLEABLE or T-HUDHEN'ED CAST-IRON, and that all orders addressed to him for these, and also for RAILS, with hardened surfaces, shall receive his prompt attention. Specimens of the different irons above, and every information afforded on applications. Information as to the terms of license under Mr. Stirling's Patents will be given on application to the Subscriber, and also by Mr. JEE, C. E. 6, John-street, Adelphi—Paul's Wharf, 25, Upper Thames-street. A. MACNAUGHTAN.

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PATENT MACHINES, for Planing, Moulding,

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PATENT CAST-IRON

PUMPS, for the use of Farm Cottages, Manure Tanks, and Stone Wells.

Patent Pump	£2 0 0
Patent Pump, with 10 feet of lead pipe attached, and bolts and nuts ready for fixing	2 10 0

Larger sizes if required.

May be obtained of any Ironmonger or Plumber in Town or Country, or of the Patentee or Manufacturers,

JOHN WARNER and SONS,
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Every description of Machinery for Raising Water, Fire, Engines &c.

The usual allowance to the Trade.

THE GWYNNE PUMP, for Mines, Ships,

Drainage Works, Steam and Locomotive Engines, Waterworks and every description of employment in which power and economy are sought to be obtained with economy, and a general applicability to all circumstances. This Pump, which is acknowledged to be superior to any hitherto employed, is supplied by Mr. JOHN GWYNNE, under guarantee against infringement of any kind and the holders of obsolete patents. Orders addressed to No. 1, Arundel-street, Strand, London, will receive immediate attention. Local peculiarities of situation, &c. provided for by special arrangements. Testimonials forwarded to parties requiring them.

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Shafts, &c.—The Rotability, Century, Water Companies, Tortoise, Poor-law Guardian, Public Baths, Breweries, Distillers, Paper-makers, Manufacturers of every description, may be SUPPLIED with any quantity by DAVID GREENSLET, Civil Engineer, and patentee of boring tools, 16, Cummins-street, Pentonville, London, who having had upwards of twenty years' experience, is enabled to give the most satisfactory and highly respectable references. Pumps and machinery of every description for raising water from deep wells, together with suitable pipes, for exportation, with instructions. Men and tools supplied to bore for railroads, minerals, &c.

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Timber, Slate, and Stone Merchants, or others, requiring Lighterage.—The Advertiser having a large number of Barges is willing to undertake LIGHTERAGE on prices that defy competition. CHARLES STRUTTON, 34, Commercial-road, Lambeth.

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CATALOGUE of BEDSTEADS, sent free by post, containing designs and prices of upwards of One Hundred different Bedsteads, in Iron, Brass, japanned Wood, polished Birch, Mahogany, Rosewood, and Walnut-tree Woods; also their prized List of Bedding, and their new warerooms enable them to keep one of each design fixed for inspection. They have also, in addition to their usual stock, a great variety of the best designs of PARISIAN BEDSTEADS, both in wood and iron, which they have just imported.—HEAL and SON, Bedstead and Bedding Manufacturers, 196 (opposite the Chapel), Tottenham-court-road.

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